

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claim 1 (currently amended): A flexible, tubular metal device ~~e.g. a bellows~~ with an internal diameter up to 60 millimeters, the device ~~said device~~ comprising one or more corrugated convolutions that define an outside surface of the device and are oriented perpendicular to a longitudinal axis of the device, each of the convolutions having oppositely-disposed rounded top and bottom portions, the outside surface of the device having first and second sections with change positions therebetween, each of the first sections extending from one of the change positions to another of the change positions via one of the top portions, each of the second sections extending from one of the change positions to another of the change positions via one of the bottom portions, the length of each of the first sections being at least 10% longer than the length of each of the second sections, the outside surface having a non-constant curvature derived from a curve that is continuous in the first and second sections and defined by the intersection of the outside surface and a plane through a longitudinal axis of the device, (2), said convolutions having

~~an overall bell-like shape with rounded top portions (T) and rounded bottom portions (B,B'), where the curvature of the outside surface being of the convolutions (2) is numerically smaller at the top portions (T) than at the bottom portions, the (B,B'), said curvature being derived from a curve (6) defined as the intersection of the outside surface (4) of the device and a plane through the longitudinal axis (8) of the device, and where the curvature of the curve changing said curve changes sign only once at each of the change positions. a change position (P,P') located between a top portion (T) and an adjacent bottom portion (B,B''), and where the length of a first section (7) on the curve (6) is at least 10% longer than the length of a second section (9) on the curve, said first section (7) extending from one change position (P) to an adjacent change position (P') via a top portion (T), and said second section (9) extending from one change position (P) to an adjacent change position (P') via a bottom portion (B,B'), characterised in that said convolutions are placed perpendicular to a longitudinal axis (8) of the device and that the curve (6) in said first and second sections (7,9) is continuous and has non-constant curvature.~~

Claim 2 (currently amended): A device according to claim 1, ~~wherein~~ characterised in that the length of each of the first sections ~~a first section (7) on the curve (6)~~ is at least 50% longer than the length of each of

the second sections. ~~a second section (9) on the curve, said first section (7) extending from one change position (P) to an adjacent change position (P') via a top portion (T), and said second section (9) extending from one change position (P) to an adjacent change position (P') via a bottom portion (B,B').~~

Claim 3 (currently amended): A device according to claim 1,  
wherein 1 or 2, characterised in that the curvature of the convolutions is numerically at least 20% smaller within the top portions than within the bottom portions. ~~by the top portions (T) than by the bottom portions (B,B').~~

Claim 4 (currently amended): A device according to claim 1,  
wherein the convolutions have a one or more of claims 1-3, characterised in that the pitch-height ratio (q) of about 0.7 to about 1.0. ~~(q) is between 0.7 and 1.0.~~

Claim 5 (currently amended): A device according to claim 1,  
wherein the curve has global maximums located at the top portions and has global minimums located at the bottom portions. ~~one or more of claims 1-4, characterised in that the curve (6) between a bottom (B,B') and an adjacent bottom section (B',B) has one global maximum placed at the top portion (T) and two global minima, said minima being placed by the bottom portions~~

~~(B,B'), and in that the curvature by the global maximum of the curve (6) has a local minimum.~~

Claim 6 (currently amended): A device according to claim 1,  
wherein the curve has a local minimum curvature between each adjacent pair  
of the top and bottom portions thereof. ~~one or more of claims 1-5,~~  
~~characterised in that curvature of the curve (6), between a top portion (T) and~~  
~~an adjacent bottom section (B',B), has a local minimum.~~

Claim 7 (currently amended): A device according to claim 5,  
wherein ~~one or more of claims 1-6,~~ characterised in that a section of the  
curve extends from a point corresponding to the global minimum at a first of  
the bottom portions, through the global maximum at an immediately adjacent  
one of the top portions, and to a point corresponding to the global minimum at  
a second of the bottom portions immediately adjacent the one of the top  
portions, the section of the curve being ~~(6) corresponding to one convolution~~  
~~from one bottom portion (B) to an adjacent bottom portion (B') is~~ symmetric  
about an axis perpendicular to the longitudinal axis ~~axis (8)~~ and through the  
global maximum within the immediately adjacent one of the top portions. ~~top~~  
~~portion (T).~~

Claim 8 (currently amended): A device according to claim 1,  
wherein a ~~one or more of claims 1-7, characterised in that the~~ majority of the  
convolutions are substantially identical.

Claim 9 (currently amended): A device according to claim 1,  
wherein ~~one or more of claims 1-8, characterised in that~~ the device is made  
of an extruded metal alloy pipe and ~~in that~~ the convolutions are formed in a  
deep drawing process. ~~process such as elastomeric forming or hydro forming.~~

Claim 10 (currently amended): A device according to claim 9,  
wherein ~~characterised in that~~ the metal alloy is stainless steel or an  
aluminium alloy.

Claim 11 (new): A flexible, tubular bellows with an internal diameter  
up to 60 millimeters, the bellows comprising corrugated convolutions that  
define an outside surface of the bellows and are oriented perpendicular to a  
longitudinal axis of the bellows, each of the convolutions having oppositely-  
disposed rounded top and bottom portions, the outside surface of the bellows  
having first and second sections with change positions therebetween, each of  
the first sections extending from one of the change positions to another of the  
change positions via one of the top portions, each of the second sections

extending from one of the change positions to another of the change positions via one of the bottom portions, the length of each of the first sections being at least 10% longer than the length of each of the second sections, the outside surface having a non-constant curvature derived from a curve that is continuous in the first and second sections and defined by the intersection of the outside surface and a plane through a longitudinal axis of the bellows, the curvature of the outside surface being numerically smaller at the top portions than at the bottom portions, the curvature of the curve being zero at the change positions and changing sign only once between adjacent pairs of the top and bottom portions at the change position therebetween.